

PATENT

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

Claims 1- 28. (Cancelled)

29. (Previously Presented) A wireless communication system, comprising:
a plurality of terminals including a first terminal in an idle state during which an RF receiver is off;

a first origination station that communicates a signal comprising first regular page message over a first regular paging channel and a first quick paging channel page message over a first quick paging channel; and

a second origination station that communicates a signal comprising second regular page message over a second regular paging channel and a second quick paging channel page message over a second quick paging channel, wherein the first and second origination stations synchronize first and second quick paging channel pages and there is a delay between regular pages;

wherein the first terminal processes the signal to determine the existence of quick paging channel pages from the origination stations from which the signals are greater than or equal to a threshold, and simultaneously monitors both the first quick paging channel for the first quick paging channel page message and the second quick paging channel for the second quick paging channel page message, and soft combines the quick paging channel messages from the first and second origination stations to enhance detection, and

once the RF receiver is activated, the terminal detects the regular paging channels individually, and if the regular paging channels can not be received individually, the terminal soft combines the regular paging channels with multiple hypothesis based on the relative delay between the regular paging channels.

Claims 30 - 46. (Cancelled)

47. (Previously Presented) A wireless communication system, comprising:

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a plurality of origination stations that each communicate a regular page message over respective regular paging channels and a quick paging channel page message over respective quick paging channels, wherein the origination stations synchronize quick paging channel messages and there is a delay between regular pages; and

a terminal that, when in an idle state during which an RF receiver is off, simultaneously monitors each of the quick paging channels for their respective quick paging channel page messages, by activating the RF receiver at predetermined times during which the terminal can potentially receive a quick paging channel page message and records at least a segment of the signal from the origination station, and processing the signal to determine the existence of quick paging channel pages from the origination stations from which the signals are greater than or equal to a threshold;

wherein the terminal soft combines the quick paging channel pages from the origination stations to enhance detection, and

once the RF receiver is activated, the terminal detects the regular paging channels individually, and if the regular paging channels can not be received individually, the terminal soft combines the regular paging channels with multiple hypothesis based on the relative delay between the regular paging channels.

Claims 48-50. (Cancelled)